SITE INVESTIGATION
FACTUAL REPORT

Report No:	SI-321278
Client:	Sedgwick International UK - Maidstone
Site:	6 Dartmouth Park Avenue Camden
Client Ref:	9268334
Date of Visit:	19/07/2021

Unit E2 First Floor Suite, Boundary Court
Willow Farm Business Park, Castle Donington
Leicestershire, DE74 2NN

☎ 0843 2272362
✉ enquiries@cet-uk.com
www.cet-uk.com

Investigation Layout Plan

Sheet: 1 of 1

Job No: 321278

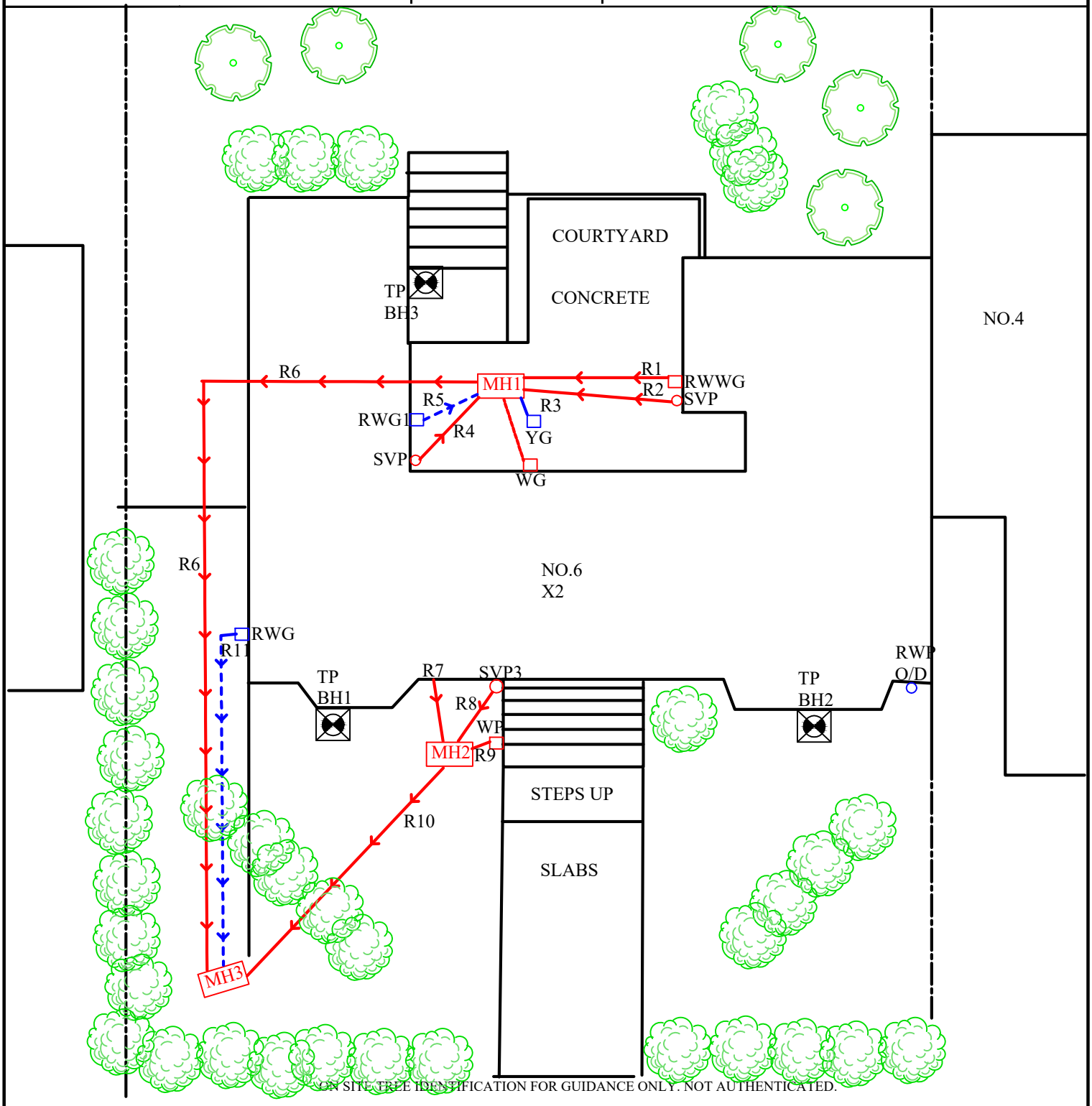
Date: 19/07/2021

Site: 6 Dartmouth park avenue

Work carried out for: Sedgwick International UK

Weather: Dry

SP	SA	CP
(SI)	(Checked)	(Drawn)



Remarks:

Scale: N.T.S.

Key:

Combined Gulley	RWWG
Manhole	MH
Rain Water Pipe	RWP
Rain Water Gulley	RWG
Soil Vent Pipe	SVP
Waste Gulley	WG
Waste Pipe	WP

Surface Water Drain

Foul Water Drain

Tree / Bush (approx. ht in m)

Trial Pit

Borehole

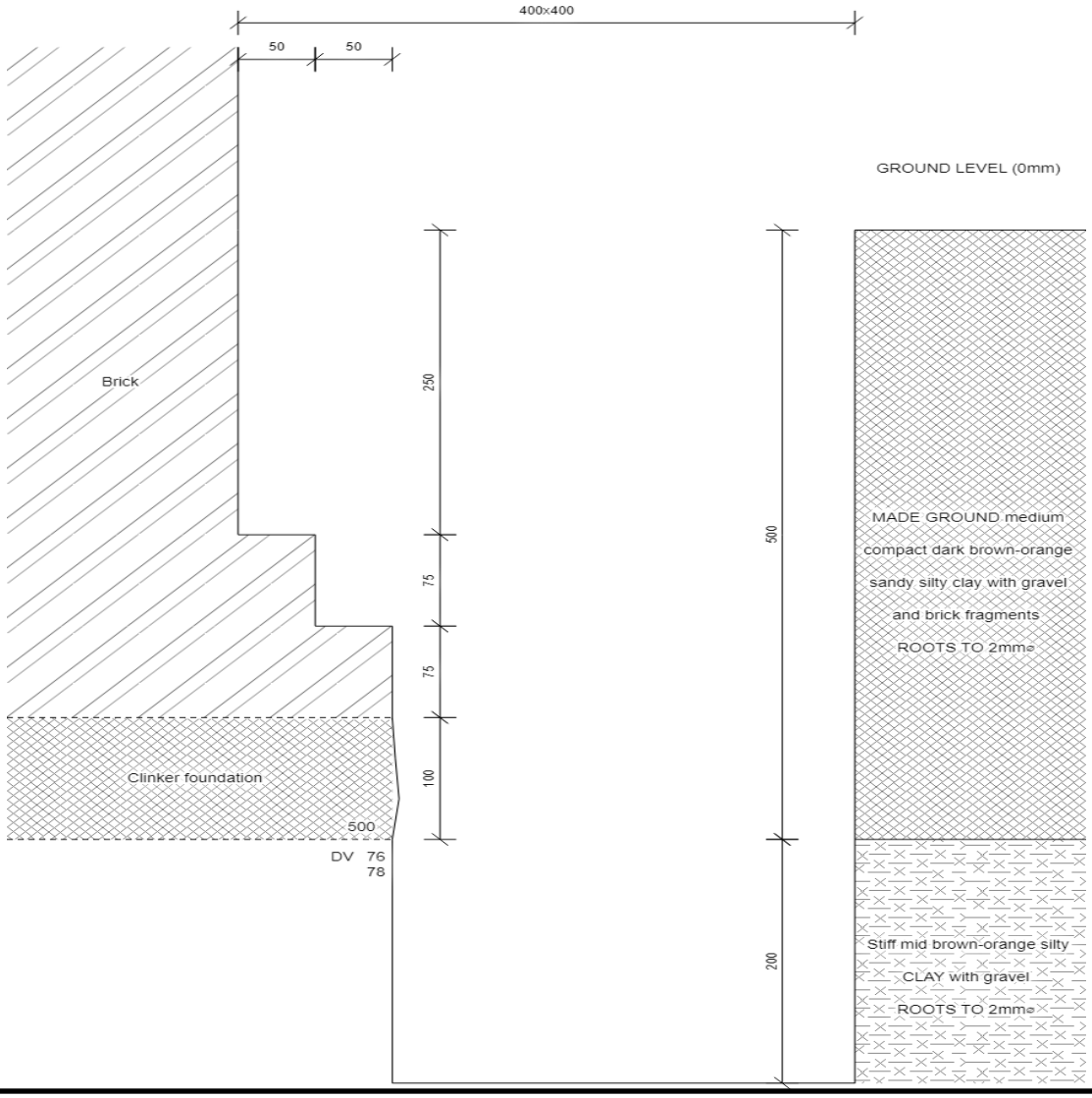
O/D - Open Discharge

PROPERTY ASSURANCE
Giving our all

TEST REPORT: **Trial Pit**

TRIAL PIT REF: 1 WEATHER: Dry

EXCAVATION METHOD: Hand Tools



For strata below 700mm see bore hole log

Remarks:

Borehole	1/Datum		Sheet:	1 of 2	Site:	6 Dartmouth Park Avenue, LONDON, NW5 1JN
			Job No:	321278		
			Date:	19/07/2021		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK Ltd
Diameter (mm):	75	Weather: dry				

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
0.00	See Trial Pit	0.70				
0.70	Stiff orange-brown CLAY	4.30		1.00	DV	114
						120
				1.50	DV	130+
						130+
				2.00	DV	130+
						130+
				2.50	DV	130+
						130+
				3.00	DV	130+
						130+
				3.50	DV	130+
						130+
				4.00	DV	130+
						130+
				4.50	DV	130+
						130+

Remarks:

Key:

D - Disturbed Sample
B - Bulk Sample
W - Water Sample Roots
J - Jar Sample Roots
V - Pilcon Shear Vane (kPa Roots
M - Mackintosh Probe Depth to Water (m)
TDTD - Too Dense To Drive

	To Depth (m)	Max Dia (mm)

Logged:	SP	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

Borehole	1/Datum		Sheet:	2 of 2	Site:	6 Dartmouth Park Avenue, LONDON, NW5 1JN
			Job No:	321278		
			Date:	19/07/2021		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK Ltd
Diameter (mm):	75	Weather:	dry			

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
5.00	End of BH			5.00	DV	130+
						130+

Remarks:
BH ends at 5.0m.Water seepage at 2.5.BH open with standing water level at4.8m on completion,no roots observed below 1.4m.Datum installed at 5.0m.

Key:

		To Depth (m)	Max Dia (mm)
D - Disturbed Sample			
B - Bulk Sample			
W - Water Sample	Roots	1.40	1
J - Jar Sample	Roots		
V - Pilcon Shear Vane (kPa	Roots		
M - Mackintosh Probe	Depth to Water (m)	4.80	
TDTD - Too Dense To Drive			

Logged:	SP	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

PROPERTY ASSURANCE
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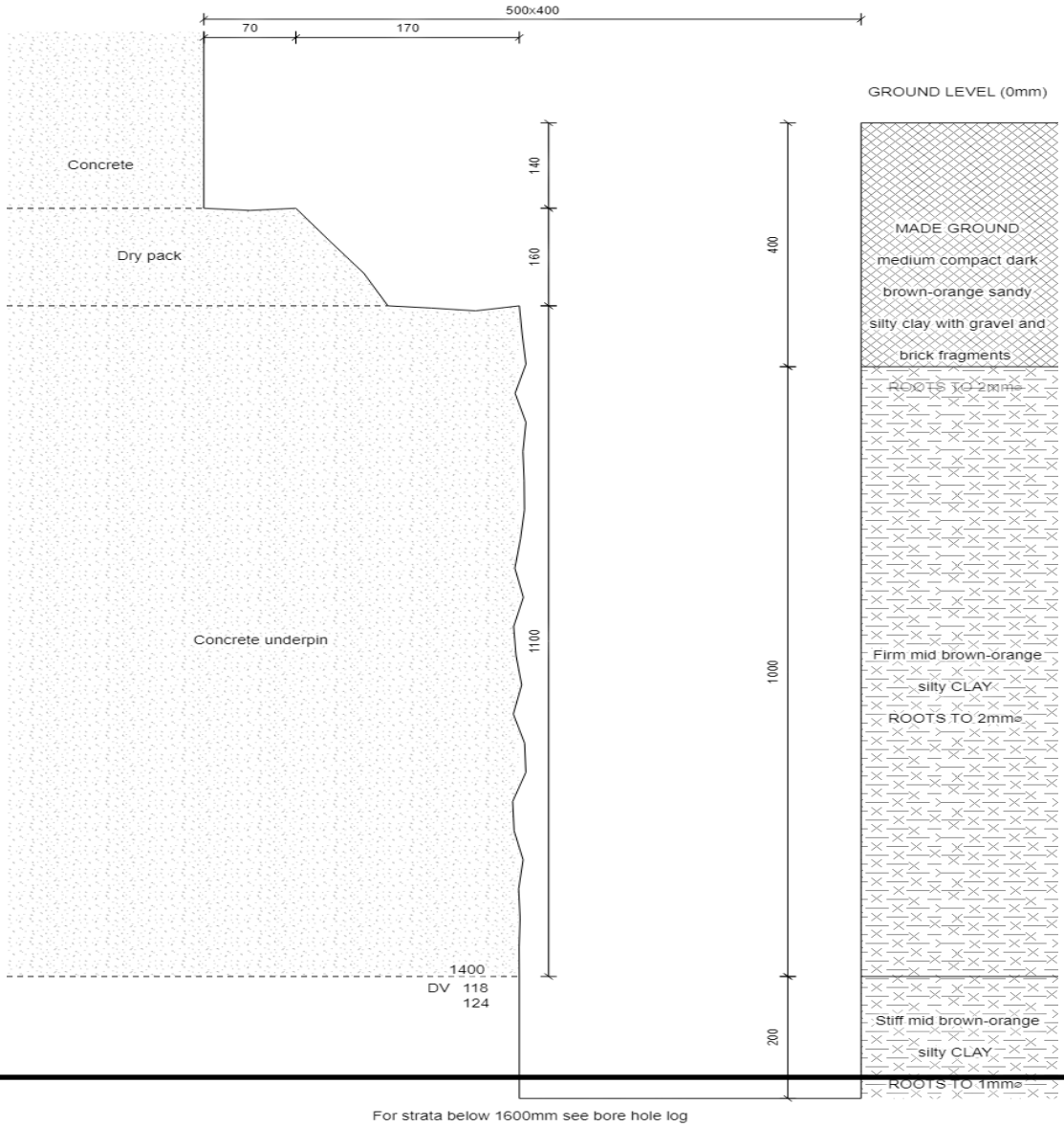
TEST REPORT: **Trial Pit**

TRIAL PIT REF: 2 WEATHER: Dry

EXCAVATION METHOD: Hand Tools



For strata below 1600mm see bore hole log

Remarks:

Borehole	2		Sheet:	1 of 2	Site:	6 Dartmouth Park Avenue, LONDON, NW5 1JN
			Job No:	321278		
			Date:	19/07/2021		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK Ltd
Diameter (mm):	75	Weather:	dry			

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
0.00	See Trial Pit	1.60				
1.60	Stiff orange-brown silty CLAY	3.40				
				2.00	DV	130+
						130+
				2.50	DV	130+
						130+
				3.00	DV	130+
						130+
				3.50	DV	130+
						130+
				4.00	DV	130+
						130+
				4.50	DV	130+
						130+

Remarks:

Key:

		To Depth (m)	Max Dia (mm)
D - Disturbed Sample			
B - Bulk Sample			
W - Water Sample	Roots		
J - Jar Sample	Roots		
V - Pilcon Shear Vane (kPa	Roots		
M - Mackintosh Probe	Depth to Water (m)		

TDTD - Too Dense To Drive

Logged:	SP	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

Borehole	2		Sheet:	2 of 2	Site:	6 Dartmouth Park Avenue, LONDON, NW5 1JN
			Job No:	321278		
			Date:	19/07/2021		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK Ltd
Diameter (mm):	75	Weather:	dry			

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
5.00	End of BH			5.00	DV	130+
						130+

Remarks:
BH ends at 5.0m.BH dry and open on completion,no roots observed below 2.1m .

Key:

		To Depth (m)	Max Dia (mm)
D - Disturbed Sample			
B - Bulk Sample			
W - Water Sample	Roots	2.10	1
J - Jar Sample	Roots		
V - Pilcon Shear Vane (kPa	Roots		
M - Mackintosh Probe	Depth to Water (m)		

TDTD - Too Dense To Drive

Logged:	SP	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

PROPERTY ASSURANCE
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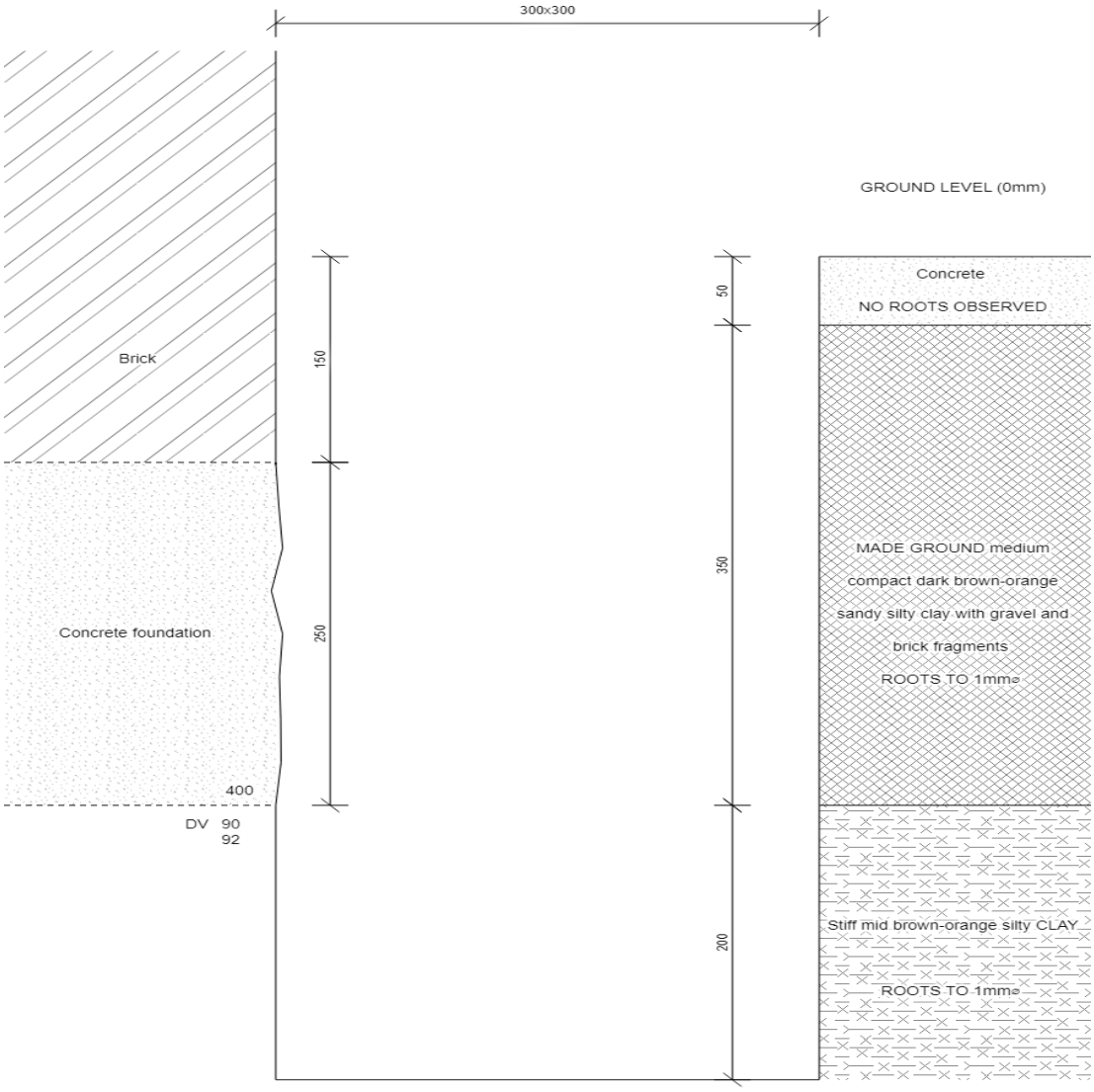
TEST REPORT: **Trial Pit**

TRIAL PIT REF: 3 WEATHER: Dry

EXCAVATION METHOD: Hand Tools



For strata below 600mm see bore hole log

Remarks:
TP moved from original position due to TP being in steps, TP moved to first step which was larger

Borehole	3		Sheet:	1 of 2	Site:	6 Dartmouth Park Avenue, LONDON, NW5 1JN
			Job No:	321278		
			Date:	19/07/2021		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK Ltd
Diameter (mm):	75	Weather:	dry			

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
0.00	See Trial Pit	0.60				
0.60	Stiff orange-brown silty CLAY	4.40				
				1.00	DV	130+
						130+
				1.50	DV	130+
						130+
				2.00	DV	130+
						130+
				2.50	DV	130+
						130+
				3.00	DV	130+
						130+
				3.50	DV	130+
						130+
				4.00	DV	130+
						130+
				4.50	DV	130+
						130+

Remarks:

Key:

		To Depth (m)	Max Dia (mm)
D - Disturbed Sample			
B - Bulk Sample			
W - Water Sample	Roots		
J - Jar Sample	Roots		
V - Pilcon Shear Vane (kPa	Roots		
M - Mackintosh Probe	Depth to Water (m)		

TDTD - Too Dense To Drive

Logged:	SP	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

Borehole	3		Sheet:	2 of 2	Site:	6 Dartmouth Park Avenue, LONDON, NW5 1JN
			Job No:	321278		
			Date:	19/07/2021		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK Ltd
Diameter (mm):	75	Weather:	dry			

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
5.00	End of BH			5.00	DV	130+
						130+

Remarks:
BH ends at 5.0m.BH dry and open on completion,no roots observed .

Key:

		To Depth (m)	Max Dia (mm)
D - Disturbed Sample			
B - Bulk Sample			
W - Water Sample	Roots		
J - Jar Sample	Roots		
V - Pilcon Shear Vane (kPa	Roots		
M - Mackintosh Probe	Depth to Water (m)		

TDTD - Too Dense To Drive

Logged:	SP	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

Construction Testing Solutions

SITE INVESTIGATION
LABORATORY TEST REPORT

SI REPORT NUMBER: 321278

CLIENT : CET Property Assurance (Sedgwick International UK)

SITE:
6 Dartmouth Park Avenue
London
NW5 1JN

DATE OF SITE VISIT:
19/07/2021

DATE RECEIVED BY LABORATORY:
20/07/2021

Compiled by : .....
J. Garrett - Laboratory Manager (B)

Approved by : .....
J. Garrett - Laboratory Manager (B)

DATE REPORTED: 29-Jul-2021

Laboratory Summary Results

Our Ref : 321278

Location : 6 Dartmouth Park Avenue, London, NW5 1JN

Client: CET Property Assurance (Sedgwick International UK)

Address: Unit 4, Boundary Court, Willow Farm Business Park, Castle Donington, Leicestershire, DE74 2NN

Date Sampled: 19/07/2021

Date Received : 20/07/2021

Date Tested : 20/07/2021

Date of Report : 29/07/2021

Sample Ref TP/BH No	Sample Ref Depth (m)	Type	Moisture Content (%) *[1]*	Soil Fraction > 0.425mm (%) *[2]*	Liquid Limit (%) *[3]*	Plastic Limit (%) *[4]*	Plasticity Index (%) *[5]*	Liquidity * Index *[5]*	Modified * Plasticity Index (%) [6]	Soil * Class *[7]*	Filter Paper Contact Time (d)	Soil Sample Suction (kPa) [8]	Oedometer Strain *[9]*	Estimated * Heave Potential (Dd) *(mm)[10]*	In situ * Shear Vane Strength (kPa) *[11]*	Organic * Content (%)*[12]*	pH * Value *[13]*	Sulphate Content * (g / l) SO_3 *[14]*	Sulphate Content * (g / l) SO_4 *[15]*	* Class *[16]*
1	U/S 0.50	D	35	<5	80	26	54	0.17	54	CV	7	164			77					
	1.0	D	30	<5											117					
	1.5	D	28	<5	75	27	48	0.02	48	CV	7	668			> 130					
	2.0	D	28	<5											> 130					
	2.5	D	31	<5	79	29	50	0.05	50	CV	7	638			> 130					
	3.0	D	32	<5											> 130					
	3.5	D	32	<5	78	23	55	0.16	55	CV	7	461			> 130					
	4.0	D	32	<5											> 130					
	4.5	D	31	<5							7	537			> 130					
	5.0	D	30	<5							7	504			> 130					

Test Methods / Notes

[1] BS 1377 : Part 2 : 1990, Test No 3.2

[2] Estimated if <5%, otherwise measured

[3] BS 1377 : Part 2 : 1990, Test No 4.4

[4] BS 1377 : Part 2 : 1990, Test No 5.3

[5] BS 1377 : Part 2 : 1990, Test No 5.4

[6] BRE Digest 240 : 1993

[7] BS 5930 : 2018 : Figure 8 - Plasticity Chart for the classification of fine soils

[8] In-house method S9a adapted from BRE IP 4/93

[9] In-house Test Procedure S17a: One Dimensional Swell/Strain Test

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CTS using a Pilcon hand vane or Geonor vane (GV).

[12] BS 1377 : Part 3 : 1990, Test No 4

[13] BS 1377 : Part 2 : 1990, Test No 9

[14] BS 1377 : Part 3 : 1990, Test No 5.6

[15] $SO_4 = 1.2 \times SO_3$

[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005

Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be prudent to consider the sample as falling into the DS-4M or DS-5M class respectively unless water soluble magnesium testing is undertaken to prove otherwise.

* These tests are not UKAS accredited

Full reports can be provided upon request.

Key

D	Disturbed sample (small)
B	Disturbed sample (bulk)
U	Undisturbed sample
W	Groundwater sample
ENP	Essentially Non-Plastic by inspection
U/S	Underside of Foundation

UKAS TESTING

Test results reported relate only to the items tested.

Version: 5BH V1 - 06.01.21

0927

Our Ref : 321278

Laboratory Testing Results

Date Sampled : 19/07/2021

Location : 6 Dartmouth Park Avenue, London, NW5 1JN

Date Received : 20/07/2021

Client: CET Property Assurance (Sedgwick International UK)

Date Tested : 20/07/2021

Address: Unit 4, Boundary Court, Willow Farm Business Park, Castle Donington, Leicestershire, DE74 2NN

Date of Report : 29/07/2021

Sample Ref.		Type	Moisture Content	Soil Fraction	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index	Modified * Plasticity Index	Soil * Class	Filter Paper Contact Time	Soil Sample Suction	Oedometer Strain	Estimated * Heave Potential (Dd)	In situ * Shear Vane Strength	Organic * Content	pH * Value	Sulphate Content * (g / l)		* Class
TP/BH No.	Depth (m)		(%) *[1]*	> 0.425mm (%) *[2]*	(%) *[3]*	(%) *[4]*	(%) *[5]*	*[5]*	(%) [6]	*[7]*	(d)	(kPa) [8]	*[9]*	*(mm)[10]*	(kPa) *[11]*	(%)*[12]*	*[13]*	SO_3 *[14]*	SO_4 *[15]*	*[16]*
2	U/S 1.40	D	32	<5	76	29	47	0.07	47	CV	7	307			121					
	2.0	D	32	<5											> 130					
	2.5	D	32	<5	77	23	54	0.17	54	CV	7	620			> 130					
	3.0	D	31	<5											> 130					
	3.5	D	30	<5	75	22	53	0.14	53	CV	7	596			> 130					
	4.0	D	32	<5											> 130					
	4.5	D	32	<5							7	622			> 130					
	5.0	D	32	<5							7	537			> 130					

Test Methods / Notes

[1] BS 1377 : Part 2 : 1990, Test No 3.2

[2] Estimated if <5%, otherwise measured

[3] BS 1377 : Part 2 : 1990, Test No 4.4

[4] BS 1377 : Part 2 : 1990, Test No 5.3

[5] BS 1377 : Part 2 : 1990, Test No 5.4

[6] BRE Digest 240 : 1993

[7] BS 5930 : 1981 : Figure 31 - Plasticity Chart for the classification of fine soils

[8] In-house method S9a adapted from BRE IP 4/93

[9] In-house Test Procedure S17a: One Dimensional Swell/Strain Test

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CTS using a Pilcon hand vane or Geonor vane (GV).

[12] BS 1377 : Part 3 : 1990, Test No 4

[13] BS 1377 : Part 2 : 1990, Test No 9

[14] BS 1377 : Part 3 : 1990, Test No 5.6

[15] $SO_4 = 1.2 \times SO_3$

[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005

Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be prudent to consider the sample as falling into the DS-4M or DS-5M class respectively unless water soluable magnesium testing is undertaken to prove otherwise.

* These tests are not UKAS accredited

Full reports can be provided upon request

Key

D	Disturbed sample (small)
B	Disturbed sample (bulk)
U	Undisturbed sample
W	Groundwater sample
ENP	Essentially Non-Plastic by inspection
U/S	Underside of Foundation

UKAS TESTING

Test results reported relate only to the items tested.

Version: 5BH V1 - 06.01.21

Construction Testing Solutions Ltd - Lawness Barns, Mountnessing Road, Billericay, Essex CM12 0TS

Our Ref : 321278

Laboratory Testing Results

Date Sampled : 19/07/2021

Location : 6 Dartmouth Park Avenue, London, NW5 1JN

Date Received : 20/07/2021

Client: CET Property Assurance (Sedgwick International UK)

Date Tested : 20/07/2021

Address: Unit 4, Boundary Court, Willow Farm Business Park, Castle Donington, Leicestershire, DE74 2NN

Date of Report : 29/07/2021

Sample Ref. TP/BH No.	Depth (m)	Type	Moisture Content (%) *[1]*	Soil Fraction > 0.425mm (%) *[2]*	Liquid Limit (%) *[3]*	Plastic Limit (%) *[4]*	Plasticity Index (%) *[5]*	Liquidity * Index *[5]*	Modified * Plasticity Index (%) [6]	Soil * Class *[7]*	Filter Paper Contact Time (d)	Soil Sample Suction (kPa) [8]	Oedometer Strain *[9]*	Estimated * Heave Potential (Dd) *(mm)[10]*	In situ * Shear Vane Strength (kPa) *[11]*	Organic * Content (%)*[12]*	pH * Value *[13]*	Sulphate Content * (g / l) SO_3 *[14]*	Sulphate Content * (g / l) SO_4 *[15]*	* Class *[16]*
3	U/S 0.40	D	28	<5	71	25	46	0.07	46	CV	7	654			91					
	1.0	D	30	<5											> 130					
	1.5	D	33	<5	76	24	52	0.17	52	CV	7	552			> 130					
	2.0	D	31	<5											> 130					
	2.5	D	32	<5	77	24	53	0.14	53	CV	7	620			> 130					
	3.0	D	31	<5											> 130					
	3.5	D	32	<5	80	28	52	0.08	52	CV	7	615			> 130					
	4.0	D	32	<5											> 130					
	4.5	D	28	<5							7	806			> 130					
	5.0	D	30	<5							7	661			> 130					

Test Methods / Notes

[1] BS 1377 : Part 2 : 1990, Test No 3.2

[2] Estimated if <5%, otherwise measured

[3] BS 1377 : Part 2 : 1990, Test No 4.4

[4] BS 1377 : Part 2 : 1990, Test No 5.3

[5] BS 1377 : Part 2 : 1990, Test No 5.4

[6] BRE Digest 240 : 1993

[7] BS 5930 : 1981 : Figure 31 - Plasticity Chart for the classification of fine soils

[8] In-house method S9a adapted from BRE IP 4/93

[9] In-house Test Procedure S17a: One Dimensional Swell/Strain Test

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CTS using a Pilcon hand vane or Geonor vane (GV).

[12] BS 1377 : Part 3 : 1990, Test No 4

[13] BS 1377 : Part 2 : 1990, Test No 9

[14] BS 1377 : Part 3 : 1990, Test No 5.6

[15] $SO_4 = 1.2 \times SO_3$

[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005 Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be prudent to consider the sample as falling into the DS-4M or DS-5M class respectively unless water soluable magnesium testing is undertaken to prove otherwise.

* These tests are not UKAS accredited

Full reports can be provided upon request

Key

D	Disturbed sample (small)
B	Disturbed sample (bulk)
U	Undisturbed sample
W	Groundwater sample
ENP	Essentially Non-Plastic by inspection
U/S	Underside of Foundation

UKAS TESTING

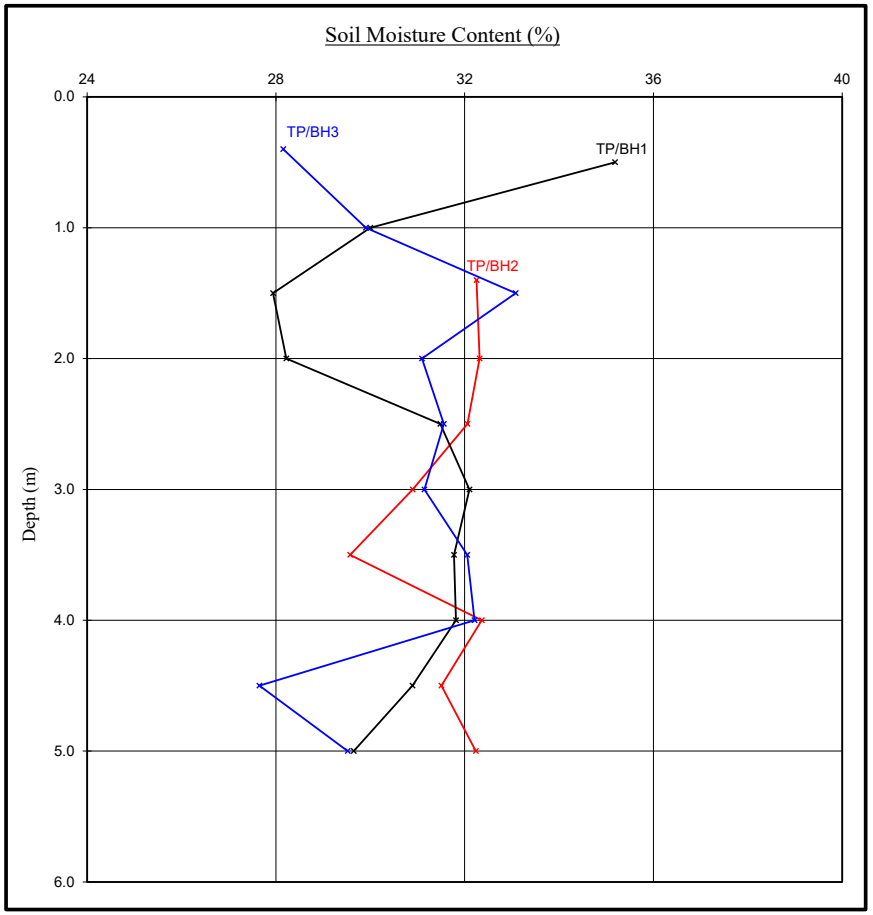
Test results reported relate only to the items tested.

Version: 5BH V1 - 06.01.21

0927

Moisture Content Profiles

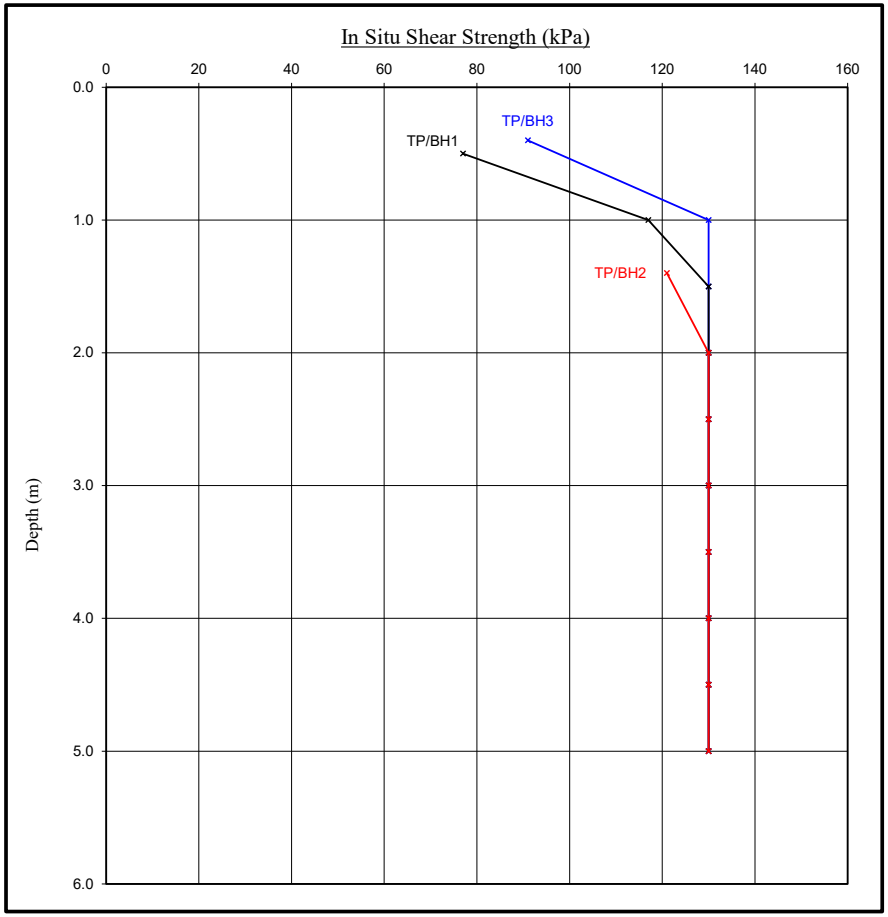
Our Ref : 321278
Location : 6 Dartmouth Park Avenue, London, NW5 1JN
Work carried out for: CET Property Assurance (Sedgwick International UK)



Notes
1. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

Shear Strength Profiles

Date Sampled : 19/07/2021
Date Received : 20/07/2021
Date Tested : 20/07/2021
Date of Report : 29/07/2021



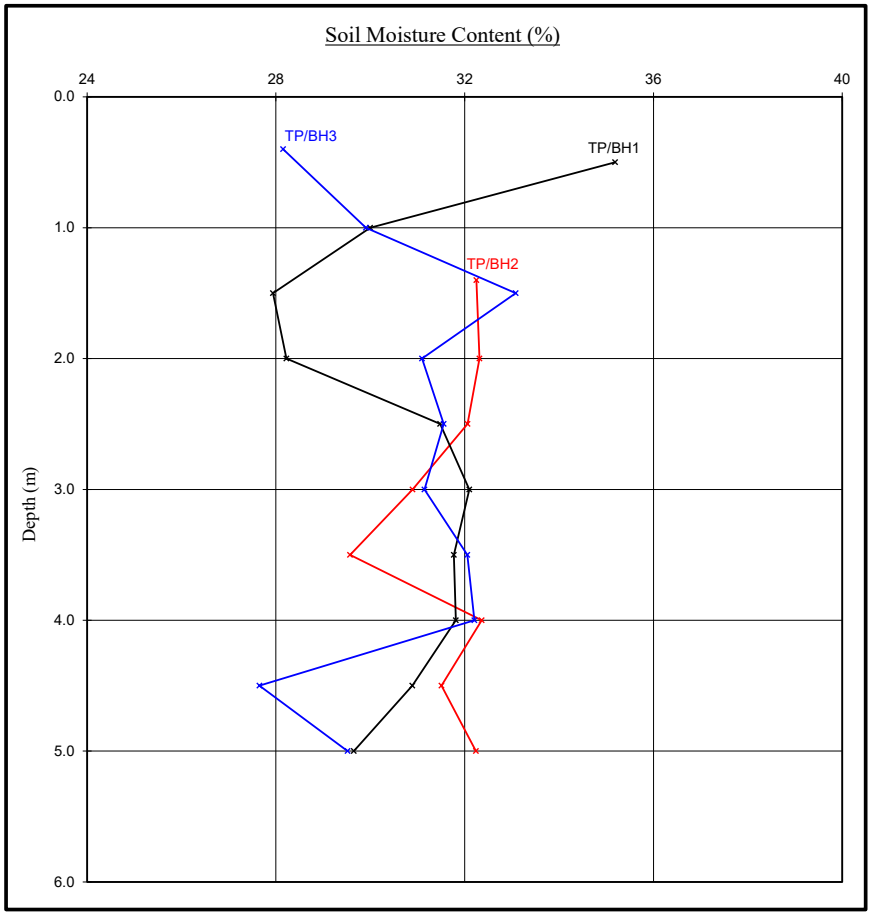
Note
1. Unless otherwise stated, values of Shear Strength were determined in situ by CTS using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 130 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

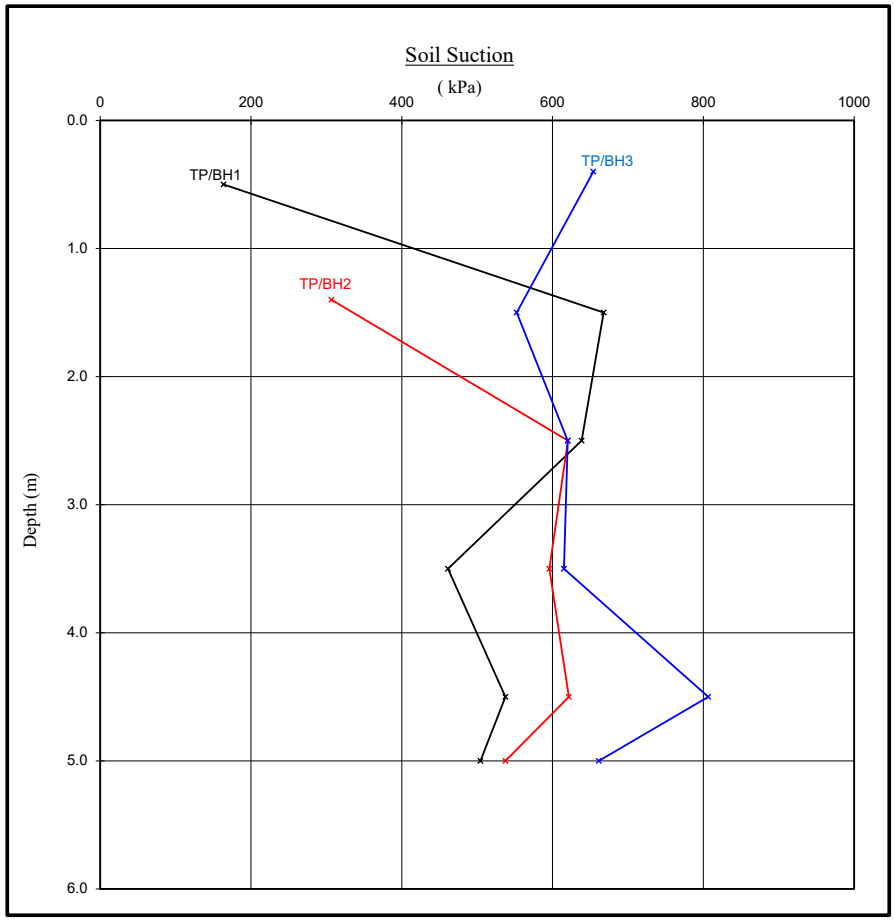
Moisture Content Profiles

Soil Suction Profiles

Our Ref : 321278
Location : 6 Dartmouth Park Avenue, London, NW5 1JN
Work carried out for: CET Property Assurance (Sedgwick International UK)

Date Sampled : 19/07/2021
Date Received : 20/07/2021
Date Tested : 20/07/2021
Date of Report : 29/07/2021





Notes
1. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

Note
When shown, the theoretical equilibrium suction profiles are based on conventional assumptions associated with London Clay (and similarly overconsolidated clays) at shallow depths. Note that the sample disturbance component is dependant on the method of sampling and any subsequent recompaction. The above plots show this to be 100kPa which is the value suggested by the BRE on the basis of their limited number of tests on recompacted samples. This may or may not be appropriate in this instance and judgement should be exercised.

EPSL
Independent Scientific Analysis

European Plant Science Laboratory

CET
Unit E2
First Floor Suite
Boundary Court
Willow Farm Business Park
Castle Donnington
Derbyshire
DE74 2NN

Intec
Parc Menai, Bangor,
Gwynedd, North Wales
LL57 4FG
Tel: 01248 672652
Fax: 01248 672601

ROOT IDENTIFICATION

6 Dartmouth Park Avenue

Client Reference: 321278
Report Date: 26 July 2021
Our Ref: R42832

Sub Sample	Species Identified		Root Diameter	Starch
TP1:				
USF	Lonicera spp.	1	2 mm	Abundant
USF	Pomoideae gp.		2 mm	Moderate
BH1:				
to 1.4m	Pomoideae gp.		<1 mm	Absent
to 1.4m	broadleaved species, too juvenile for positive identification	2	<1 mm	Absent
TP2:				
USF	broadleaved species, too decayed for positive identification	3	<1 mm	Absent
BH2:				
to 2.1m	broadleaved species, too decayed for positive identification	4	1 mm	Absent
TP3:				
USF	Pomoideae gp.	5	1 mm	Abundant

Comments:

1 - Plus 1 other also identified as Lonicera spp.
2 - Plus 1 other the same.
3 - Plus 2 others the same.
4 - Plus 2 others the same.
5 - Plus 2 others also identified as Pomoideae gp.

Lonicera spp. are honeysuckles, both climbing and shrub forms; related species include *Symphoricarpos* spp. (snowberry). Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.

Signed: R J Shaw

Unless we are otherwise instructed in writing, the above sample material will normally be disposed of 6 years after the date of this report.

Coding Sheet

Sheet:		Site:	6 Dartmouth Park Avenue, LONDON, NW5 1JN	
Job No.:	321278			
Date:	19/07/2021	Client:	Sedgwick International UK Ltd	

Run: 1

From:	MH1	Invert Level:	475	Direction:	U/S
To:	RWWG1	Invert Level:		Function:	Comb
Pipe Material:	VC	Pipe Dia:	100		
Water/Pressure Test:	Fail	Drain Break-In:	No	Gully Condition:	Poor
				Shared Run:	No
				If Shared How:	

Distance (m)	Code	Clock Ref at	Clock Ref to	Dia mm	Intrusion %	Intrusion mm	Remarks	Surface Material	Length (m)
0.00	ST								
0.20	CC						Crack circumferential		
1.10	JDM						Joint displaced medium		
2.30	JDM						Joint displaced medium	CONCRETE	
2.30	RTJ						Roots tap at joint		
3.20	FH						REACHED RWWG1		

Comments:

Run: 2

From:	MH1	Invert Level:	475	Direction:	U/S
To:	ds wc	Invert Level:		Function:	
Pipe Material:	VC	Pipe Dia:	100		
Water/Pressure Test:		Drain Break-In:	No	Gully Condition:	
				Shared Run:	No
				If Shared How:	

Distance (m)	Code	Clock Ref at	Clock Ref to	Dia mm	Intrusion %	Intrusion mm	Remarks	Surface Material	Length (m)
0.00	ST								
0.20	JDM						Joint displaced medium		
0.20	LL						slight		
1.10	JDM						Joint displaced medium	CONCRETE 3.6	
1.60	JDM						Joint displaced medium		
1.60	CC	12	12				Crack circumferential	UNDER BUILDING	
3.20	JN	12		100			svp1		
3.20	CX						Connection defective		
3.60	LU						Line deviates up		
3.90	FH						reached ds wc 1		

Comments:

UNABLE TO TEST

Run:	**3**									
From:		MH1		Invert Level:		475	Direction:		U/S	
To:		YG		Invert Level:			Function:			
Pipe Material:		VC		Pipe Dia:		100				
Water/Pressure Test:				Drain Break-In:			Gully Condition:			
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:			
0.00	ST						Remarks		Surface Material	Length (m)
0.60	JDL						Joint displaced large			
0.60	DES				80		Debris silt			
0.60	SA						unable to push, yg in poor condition			
Comments:										
WG1 juctions into run 3 UNABLE TO TEST										

Run:	**4**									
From:		MH1		Invert Level:		475	Direction:		U/S	
To:		SVP2		Invert Level:			Function:			
Pipe Material:		VC		Pipe Dia:		100				
Water/Pressure Test:				Drain Break-In:			Gully Condition:			
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:			
0.00	ST						Remarks		Surface Material	Length (m)
0.60	LU						Line deviates up			
0.80	FH						reached svp2			
Comments:										
UNABLE TO TEST										

Run:	**5**									
From:		MH1		Invert Level:		475	Direction:		U/S	
To:		rwg1		Invert Level:			Function:		S/W	
Pipe Material:		VC		Pipe Dia:		100				
Water/Pressure Test:		Fail		Drain Break-In:		No	Gully Condition:		Poor	
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:			
0.00	ST						Remarks		Surface Material	Length (m)
0.10	LU						Line deviates up			
0.30	FH						reached rwg1			
Comments:										

Run:	6								
From:		MH1		Invert Level:		475	Direction:	D/S	
To:		D/S		Invert Level:			Function:	Comb	
Pipe Material:		VC		Pipe Dia:		100			
Water/Pressure Test:				Drain Break-In:			Gully Condition:		
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.20	JDM						Joint displaced medium		
0.80	JDM						Joint displaced medium		
0.80	CC						Crack circumferential	CONCRETE 0.3M	
1.40	CC						Crack circumferential		
2.00	MH						reached buried mh MC 150MM	UNDER BUILDING 3.0M	
3.80	WL				10		Water level		
3.80	JDM						Joint displaced medium		
4.90	JDM						Joint displaced medium		
4.90	LL						Line deviates left		
5.70	JDM						Joint displaced medium		
5.70	CC						Crack circumferential		
6.30	CC						Crack circumferential		
8.40	CC						Crack circumferential		
9.50	CC						Crack circumferential		
11.00	CC						Crack circumferential		
11.00	JDM						Joint displaced medium		
11.60	CC						Crack circumferential		
12.20	RMJ						Roots mass		
12.80	RMJ						Roots mass		
12.80	CC						Crack circumferential		
14.50	MC			150			liner		
17.60	LL						slight		
21.50	RMJ						Roots mass		
21.60	FH						reached mh3		

Comments:

UNABLE TO TEST

Run:	7								
From:		MH2		Invert Level:		1700	Direction:	U/S	
To:				Invert Level:			Function:		
Pipe Material:		VC		Pipe Dia:		100			
Water/Pressure Test:				Drain Break-In:			Gully Condition:		
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.70	JDM						Joint displaced medium		
1.10	DE				100		Debris	SOIL	
1.10	SA						unable to push		

Comments:

Assumed to be not in use

Run:	8									
From:		MH2		Invert Level:		1700	Direction:		U/S	
To:		int bd		Invert Level:			Function:		F/W	
Pipe Material:		PVC		Pipe Dia:		100				
Water/Pressure Test:				Drain Break-In:			Gully Condition:			
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:			
0.00	ST						Remarks	Surface Material		Length (m)
0.70	LU						Line deviates up			
0.80	FH						reached svp3	SOIL		
Comments:										
UNABLE TO TEST										

Run:	9									
From:		MH2		Invert Level:		1700	Direction:		U/S	
To:		wp1		Invert Level:			Function:		F/W	
Pipe Material:		VC		Pipe Dia:		100				
Water/Pressure Test:		Fail		Drain Break-In:		No	Gully Condition:			
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:		No	
0.00	ST						Remarks	Surface Material		Length (m)
0.00	LU						Line deviates up			
0.40	FH						reached wp1			
Comments:										
JDL NOTED ON LINE UP										

Run:	10									
From:		MH2		Invert Level:		1700	Direction:		D/S	
To:		MH3		Invert Level:			Function:		F/W	
Pipe Material:		VC		Pipe Dia:		100				
Water/Pressure Test:		Pass		Drain Break-In:			Gully Condition:			
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:			
0.00	ST						Remarks	Surface Material		Length (m)
0.00	DE				10		Debris			
0.10	MC			100			liner			
0.90	D				20		Deformed sewer	SOIL/SHRUBS		
3.60	LR						slight			
3.80	FH						reached mh3			
Comments:										

Run:	11									
From:		rwg2		Invert Level:		200	Direction:		D/S	
To:		MH3		Invert Level:		1700	Function:		S/W	
Pipe Material:		PVC		Pipe Dia:		100				
Water/Pressure Test:		Pass		Drain Break-In:			Gully Condition:		As Built	
Distance (m)	Code	Clock Ref at	to	Dia mm	Intrusion %	mm	Shared Run: / If Shared How:			
0.00	ST						Remarks	Surface Material		Length (m)
0.20	LD						Line deviates down			
0.50	GO						line levels			
0.50	MC						liner	CONCRETE		
5.20	FH						reached mh3			
Comments:										

To: 0
Subsidence Scanning Centre
Ground Floor
Fountain Court
West Yorkshire
LS27 0JG

Ftao: 0

Our Ref: **321278**

Your Ref: **9268334**

Date: **21-Jul-21**

ESTIMATE

Site:- 6 Dartmouth Park Avenue

Item				Amount
1.0	Location	**Run1 MH1 RWWG1**		£562.00
	Shared System	no		
	Condition Grade	0		
	Drain Serviceability	0		
	Work Spec	excavation through concreteto remove and replace gully and section of pipework. install 3 metre 100mm liner		
2.0	Location	**Run 2 MH1 DSWC1**		£592.00
	Shared System	no		
	Condition Grade	0		
	Drain Serviceability	0		
	Work Spec	excavation through concreteto remove and replace rest bend, junction and section of pipework. install 3 metre 100mm liner. This excavation is internal as per site plan and drainage pack, need to speak to engineer for what enabling required as no photos supplied.		
3.0	Location	**Run 3 MH1 YG1**		£272.00
	Shared System	no		
	Condition Grade	0		
	Drain Serviceability	0		
	Work Spec	excavation through concrete to remove gully and metre of pipework.		
4.0	Location	**Run 5 MH1 RWG1**		£272.00
	Shared System	no		
	Condition Grade		0	
	Drain Serviceability		0	
	Work Spec	excavation through concrete to remove gully and metre of pipework.		
5.0	Location	**Run 6 MH1-buried chamber-MH3**		£1,195.00
	Shared System	no		
	Condition Grade		0	
	Drain Serviceability		0	
	Work Spec	2 metre 100mm liner downstream of MH1. install 3 x 2metre 150mm patch liners upstream of MH3 to cover over defects in run to buried chamber		
6.0	Location	**Run 9 MH2 WP1**		£250.00
	Shared System	no		
	Condition Grade	0		
	Drain Serviceability		0	
	Work Spec	1 x 100mm patch repair		
7.0	Location	**Run 7 presumed disused as per engineers notes**		
	Shared System	0		
	Condition Grade		0	
	Drain Serviceability		0	
	Work Spec	0		

Notes

Repairs to shared runs and off boundary pipe-work may be the responsibility of the water authority.

Total	£3,143.00
plus VAT @20%	£628.60
Total + VAT	£3,771.60

Condition Grade

A - Structurally sound with no leakage evident.
B - Cracks and fractures observed.
C - Structurally unsound

Quotation is binding only if accepted within 28 days from date of issue and is subject to our Standard Terms and Conditions
The price qualification notes, stated on the drainage solutions schedule of rates, apply to this quotation.
CET Structures Ltd undertakes to return to site free of charge to carry out remedial work to the drainage repairs set out above for a period of 2 months from the date of this invoice. The company standard charge rates will apply to the visit should the work requested be unrelated to the said repairs.

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **6 Dartmouth Park Avenue**

Client :-

Attention of:-

Client ref	9268334
Job Number :-	321278
Insurer	
Date:-	21-Jul-21
Recommendation	1

Item No	Description Run1 MH1 RWWG1	Unit	Quantity	Rate (£)	Price (£)
1.0	**Emergency Drain Blockage Clearance**				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		**£70.00**	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		**£30.00**	£0.00
1.3	Unblock drain 6pm-midnight	Item		**£100.00**	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		**£35.00**	£0.00
2.1	**CCTV Surveys**				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		**£130.00**	£0.00
2.3	Additional 1/2 hr survey charge	Item		**£30.00**	£0.00
3.0	**Replacing Underground Drainage**				
3.1	**Gullies**				
3.2	Take out and replace gulley (100mm outlet)	Item	1	**£130.00**	£130.00
3.3	Take out and replace rodding point (100mm outlet)	Item		**£90.00**	£0.00
3.4	**Bends/junctions**				
3.5	Excavate and replace rest bend (100mm outlet)	Item		**£90.00**	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		**£120.00**	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		**£70.00**	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		**£70.00**	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.13	**Pipes**				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m	1	**£95.00**	£95.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£120.00**	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		**£95.00**	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		**£120.00**	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£150.00**	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£160.00**	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		**£150.00**	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		**£160.00**	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£270.00**	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£290.00**	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		**£250.00**	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		**£270.00**	£0.00
3.26	**Surface Reinstatement of Trenches**				
3.27	Excavate through and reinstate turf.			**£0.00**	£0.00
3.28	Excavate through and replace concrete paving slabs	m		**£30.00**	£0.00
3.29	Excavate through and replace block paving	m		**£50.00**	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m	1	**£47.00**	£47.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		**£95.00**	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		**£90.00**	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		**£115.00**	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		**£48.00**	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		**POA**	
3.36	Reinstatement of crazy paving	m		**£75.00**	£0.00
4.0	**Lining**				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	**£290.00**	£290.00
4.2	Line 100mmØ drain	m		**£50.00**	£0.00
	Super Flex Liner 100mm drain	m		**£90.00**	£0.00
4.3	Line 150mmØ drain	m		**£70.00**	£0.00
	Super Flex Liner 150mm drain	m		**£110.00**	£0.00
4.4	Post lining CCTV survey	no		**£100.00**	£0.00
4.5	Minimum lining charge	Item		**£290.00**	£0.00
4.6	Root cutting of drain prior to lining	hr		**£65.00**	£0.00
4.7	Set up lining rig for patch lining	Item		**£0.00**	£0.00
4.8	Patch line 100mmØ drain	no		**£250.00**	£0.00
4.9	Patch line 150mmØ drain	no		**£280.00**	£0.00
4.10	Post patch lining CCTV survey	Item		**£100.00**	£0.00
4.11	Minimum patch lining charge	Item		**£250.00**	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		**£190.00**	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		**£280.00**	£0.00
	Epoxy resin	no		**£22.00**	£0.00
5.0	**Miscellaneous**				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		**£400.00**	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		**1.25**	£0.00
5.3	Daywork - Hourly labour rate	hr		**£30.00**	£0.00
5.4	Minimum project value	Item		**£346.50**	£0.00
5.5					£0.00
5.6	Water Supply pipe investigation			**£195.43**	£0.00
5.7	Spot Repair			**£592.25**	£0.00
5.8					£0.00
6.0	**Additional items**				
6.1	De-scaling (fat/grime)	hr		**£65.00**	£0.00
6.2	De-scaling (scale using chain flails)	hr		**£90.00**	£0.00
6.3	Gully surround	item		**£30.00**	£0.00
6.4	Manhole works (up to 1.2m)	item		**£80.00**	£0.00
6.6	Oversize soakaway (1.5m3)	item		**£600.00**	£0.00
6.7	Soakaway >1.5m3	item		**POA**	
6.8	Waste disposal	m		**£20.00**	£0.00
6.9	Shoring	m	0	**£40.00**	£0.00
	Total Estimate Price For Recommendation Number		1.0		£562.00
	Subject to discount		**0.00**		£0.00
	Total subject to VAT @ 20%				£562.00

Note: Subject to the attached Terms and Condtions

A - When calculating prices, all measurements are rounded up
B - Depths are taken to the base of excavations
C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
D - All rates exclude VAT
G - Daywork rates do not include for materials that are charged at cost plus 25%
F - The above rates are subject to re-measurement
KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour
E - Depths are taken to the base of excavations

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **6 Dartmouth Park Avenue**

Client :-

Attention of:-

Client ref	9268334
Job Number :-	321278
Insurer	
Date:-	21-Jul-21
Recommendation	2

Item No	Description Run 2 MH1 DSWC1	Unit	Quantity	Rate	Price
				(£)	(£)
1.0	**Emergency Drain Blockage Clearance**				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		**£70.00**	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		**£30.00**	£0.00
1.3	Unblock drain 6pm-midnight	Item		**£100.00**	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		**£35.00**	£0.00
2.1	**CCTV Surveys**				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		**£130.00**	£0.00
2.3	Additional 1/2 hr survey charge	Item		**£30.00**	£0.00
3.0	**Replacing Underground Drainage**				
3.1	**Gullies**				
3.2	Take out and replace gulley (100mm outlet)	Item		**£130.00**	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		**£90.00**	£0.00
3.4	**Bends/junctions**				
3.5	Excavate and replace rest bend (100mm outlet)	Item	1	**£90.00**	£90.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		**£120.00**	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item	1	**£70.00**	£70.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		**£70.00**	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.13	**Pipes**				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m	1	**£95.00**	£95.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£120.00**	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		**£95.00**	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		**£120.00**	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£150.00**	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£160.00**	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		**£150.00**	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		**£160.00**	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£270.00**	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£290.00**	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		**£250.00**	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		**£270.00**	£0.00
3.26	**Surface Reinstatement of Trenches**				
3.27	Excavate through and reinstate turf.			**£0.00**	£0.00
3.28	Excavate through and replace concrete paving slabs	m		**£30.00**	£0.00
3.29	Excavate through and replace block paving	m		**£50.00**	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m	1	**£47.00**	£47.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		**£95.00**	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		**£90.00**	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		**£115.00**	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		**£48.00**	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		**POA**	
3.36	Reinstatement of crazy paving	m		**£75.00**	£0.00
4.0	**Lining**				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	**£290.00**	£290.00
4.2	Line 100mmØ drain	m		**£50.00**	£0.00
	Super Flex Liner 100mm drain	m		**£90.00**	
4.3	Line 150mmØ drain	m		**£70.00**	£0.00
	Super Flex Liner 150mm drain	m		**£110.00**	
4.4	Post lining CCTV survey	no		**£100.00**	£0.00
4.5	Minimum lining charge	Item		**£290.00**	£0.00
4.6	Root cutting of drain prior to lining	hr		**£65.00**	£0.00
4.7	Set up lining rig for patch lining	Item		**£0.00**	£0.00
4.8	Patch line 100mmØ drain	no		**£250.00**	£0.00
4.9	Patch line 150mmØ drain	no		**£280.00**	£0.00
4.10	Post patch lining CCTV survey	Item		**£100.00**	£0.00
4.11	Minimum patch lining charge	Item		**£250.00**	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		**£190.00**	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		**£280.00**	£0.00
	Epoxy resin	no		**£22.00**	
5.0	**Miscellaneous**				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		**£400.00**	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		**£1.25**	£0.00
5.3	Daywork - Hourly labour rate	hr		**£30.00**	£0.00
5.4	Minimum project value	Item		**£346.50**	£0.00
5.5	Sonde location equipment	Item		**£99.00**	£0.00
5.6	Water Supply pipe investigation			**£195.43**	£0.00
5.7	Spot Repair			**£592.25**	£0.00
5.8				**£0.00**	£0.00
6.0	**Additional items**				
6.1	De-scaling (fat/grime)	hr		**£65.00**	£0.00
6.2	De-scaling (scale using chain flails)	hr		**£90.00**	£0.00
6.3	Gully surround	item		**£30.00**	£0.00
6.4	Manhole works (up to 1.2m)	item		**£80.00**	£0.00
6.6	Oversize soakaway (1.5m3)	item		**£600.00**	£0.00
6.7	Soakaway >1.5m3	item		**POA**	
6.8	Waste disposal	m		**£20.00**	£0.00
6.9	Shoring	m		**£40.00**	£0.00
	Total Estimate Price For Recommendation Number		2.0		£592.00
	Subject to discount		**0.00**		£0.00
	Total subject to VAT @ 20%				£592.00

Note: Subject to the attached Terms and Condtions

A - When calculating prices, all measurements are rounded up

B - Depths are taken to the base of excavations

C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed

D - All rates exclude VAT

G - Daywork rates do not include for materials that are charged at cost plus 25%

F - The above rates are subject to re-measurement

KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour

E - Depths are taken to the base of excavations

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **6 Dartmouth Park Avenue**

Client :-

Attention of:-

Client ref	9268334
Job Number :-	321278
Insurer	
Date:-	21-Jul-21
Recommendation	3

Item No	Description Run 3 MH1 YG1	Unit	Quantity	Rate	Price
				(£)	(£)
1.0	**Emergency Drain Blockage Clearance**				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		**£70.00**	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		**£30.00**	£0.00
1.3	Unblock drain 6pm-midnight	Item		**£100.00**	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		**£35.00**	£0.00
2.1	**CCTV Surveys**				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		**£130.00**	£0.00
2.3	Additional 1/2 hr survey charge	Item		**£30.00**	£0.00
3.0	**Replacing Underground Drainage**				
3.1	**Gullies**				
3.2	Take out and replace gulley (100mm outlet)	Item	1	**£130.00**	£130.00
3.3	Take out and replace rodding point (100mm outlet)	Item		**£90.00**	£0.00
3.4	**Bends/junctions**				
3.5	Excavate and replace rest bend (100mm outlet)	Item		**£90.00**	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		**£120.00**	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		**£70.00**	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		**£70.00**	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.13	**Pipes**				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m	1	**£95.00**	£95.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£120.00**	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		**£95.00**	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		**£120.00**	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£150.00**	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£160.00**	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		**£150.00**	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		**£160.00**	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£270.00**	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£290.00**	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		**£250.00**	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		**£270.00**	£0.00
3.26	**Surface Reinstatement of Trenches**				
3.27	Excavate through and reinstate turf.			**£0.00**	£0.00
3.28	Excavate through and replace concrete paving slabs	m		**£30.00**	£0.00
3.29	Excavate through and replace block paving	m		**£50.00**	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m	1	**£47.00**	£47.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		**£95.00**	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		**£90.00**	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		**£115.00**	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		**£48.00**	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		**POA**	
3.36	Reinstatement of crazy paving	m		**£75.00**	£0.00
4.0	**Lining**				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item		**£290.00**	£0.00
4.2	Line 100mmØ drain	m		**£50.00**	£0.00
	Super Flex Liner 100mm drain	m		**£90.00**	
4.3	Line 150mmØ drain	m		**£70.00**	£0.00
	Super Flex Liner 150mm drain	m		**£110.00**	
4.4	Post lining CCTV survey	no		**£100.00**	£0.00
4.5	Minimum lining charge	Item		**£290.00**	£0.00
4.6	Root cutting of drain prior to lining	hr		**£65.00**	£0.00
4.7	Set up lining rig for patch lining	Item		**£0.00**	£0.00
4.8	Patch line 100mmØ drain	no		**£250.00**	£0.00
4.9	Patch line 150mmØ drain	no		**£280.00**	£0.00
4.10	Post patch lining CCTV survey	Item		**£100.00**	£0.00
4.11	Minimum patch lining charge	Item		**£250.00**	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		**£190.00**	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		**£280.00**	£0.00
	Epoxy resin	no		**£22.00**	
5.0	**Miscellaneous**				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		**£400.00**	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		**£1.25**	£0.00
5.3	Daywork - Hourly labour rate	hr		**£30.00**	£0.00
5.4	Minimum project value	Item		**£346.50**	£0.00
5.5				**£0.00**	£0.00
5.6	Water Supply pipe investigation			**£195.43**	£0.00
5.7	Spot Repair			**£592.25**	£0.00
5.8				**£0.00**	£0.00
6.0	**Additional items**				
6.1	De-scaling (fat/grime)	hr		**£65.00**	£0.00
6.2	De-scaling (scale using chain flails)	hr		**£90.00**	£0.00
6.3	Gully surround	item		**£30.00**	£0.00
6.4	Manhole works (up to 1.2m)	item		**£80.00**	£0.00
6.6	Oversize soakaway (1.5m3)	item		**£600.00**	£0.00
6.7	Soakaway >1.5m3	item		**POA**	
6.8	Waste disposal	m		**£20.00**	£0.00
6.9	Shoring	m		**£40.00**	£0.00
	Total Estimate Price For Recommendation Number		3.0		£272.00
	Subject to discount		**0.00**		£0.00
	Total subject to VAT @ 20%				£272.00

Note: Subject to the attached Terms and Condtions

A - When calculating prices, all measurements are rounded up
B - Depths are taken to the base of excavations
C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
D - All rates exclude VAT
G - Daywork rates do not include for materials that are charged at cost plus 25%
F - The above rates are subject to re-measurement
KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour
E - Depths are taken to the base of excavations

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **6 Dartmouth Park Avenue**

Client :-

Attention of:-

Client ref	9268334
Job Number :-	321278
Insurer	
Date:-	21-Jul-21
Recommendation	4

Item No	Description Run 5 MH1 RWG1	Unit	Quantity	Rate (£)	Price (£)
1.0	**Emergency Drain Blockage Clearance**				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		**£70.00**	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		**£30.00**	£0.00
1.3	Unblock drain 6pm-midnight	Item		**£100.00**	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		**£35.00**	£0.00
2.1	**CCTV Surveys**				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		**£130.00**	£0.00
2.3	Additional 1/2 hr survey charge	Item		**£30.00**	£0.00
3.0	**Replacing Underground Drainage**				
3.1	**Gullies**				
3.2	Take out and replace gulley (100mm outlet)	Item	1	**£130.00**	£130.00
3.3	Take out and replace rodding point (100mm outlet)	Item		**£90.00**	£0.00
3.4	**Bends/junctions**				
3.5	Excavate and replace rest bend (100mm outlet)	Item		**£90.00**	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		**£120.00**	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		**£70.00**	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		**£70.00**	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.13	**Pipes**				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m	1	**£95.00**	£95.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£120.00**	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		**£95.00**	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		**£120.00**	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£150.00**	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£160.00**	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		**£150.00**	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		**£160.00**	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£270.00**	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£290.00**	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		**£250.00**	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		**£270.00**	£0.00
3.26	**Surface Reinstatement of Trenches**				
3.27	Excavate through and reinstate turf.			**£0.00**	£0.00
3.28	Excavate through and replace concrete paving slabs	m		**£30.00**	£0.00
3.29	Excavate through and replace block paving	m		**£50.00**	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m	1	**£47.00**	£47.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		**£95.00**	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		**£90.00**	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		**£115.00**	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		**£48.00**	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		**POA**	
3.36	Reinstatement of crazy paving	m		**£75.00**	£0.00
4.0	**Lining**				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item		**£290.00**	£0.00
4.2	Line 100mmØ drain	m		**£50.00**	£0.00
	Super Flex Liner 100mm drain	m		**£90.00**	
4.3	Line 150mmØ drain	m		**£70.00**	£0.00
	Super Flex Liner 150mm drain	m		**£110.00**	
4.4	Post lining CCTV survey	no		**£100.00**	£0.00
4.5	Minimum lining charge	Item		**£290.00**	£0.00
4.6	Root cutting of drain prior to lining	hr		**£65.00**	£0.00
4.7	Set up lining rig for patch lining	Item		**£0.00**	£0.00
4.8	Patch line 100mmØ drain	no		**£250.00**	£0.00
4.9	Patch line 150mmØ drain	no		**£280.00**	£0.00
4.10	Post patch lining CCTV survey	Item		**£100.00**	£0.00
4.11	Minimum patch lining charge	Item		**£250.00**	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		**£190.00**	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		**£280.00**	£0.00
	Epoxy resin	no		**£22.00**	
5.0	**Miscellaneous**				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		**£400.00**	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		**£1.25**	£0.00
5.3	Daywork - Hourly labour rate	hr		**£30.00**	£0.00
5.4	Minimum project value	Item		**£346.50**	£0.00
5.5				**£0.00**	£0.00
5.6	Water Supply pipe investigation			**£195.43**	£0.00
5.7	Spot Repair			**£592.25**	£0.00
5.8				**£0.00**	£0.00
6.0	**Additional items**				
6.1	De-scaling (fat/grime)	hr		**£65.00**	£0.00
6.2	De-scaling (scale using chain flails)	hr		**£90.00**	£0.00
6.3	Gully surround	item		**£30.00**	£0.00
6.4	Manhole works (up to 1.2m)	item		**£80.00**	£0.00
6.6	Oversize soakaway (1.5m3)	item		**£600.00**	£0.00
6.7	Soakaway >1.5m3	item		**POA**	
6.8	Waste disposal	m		**£20.00**	£0.00
6.9	Shoring	m		**£40.00**	£0.00
	Total Estimate Price For Recommendation Number		4.0		£272.00
	Subject to discount		**0.00**		£0.00
	Total subject to VAT @ 20%				£272.00

Note: Subject to the attached Terms and Condtions

A - When calculating prices, all measurements are rounded up

B - Depths are taken to the base of excavations

C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed

D - All rates exclude VAT

G - Daywork rates do not include for materials that are charged at cost plus 25%

F - The above rates are subject to re-measurement

KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour

E - Depths are taken to the base of excavations

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **6 Dartmouth Park Avenue**

Client :-

Attention of:-

Client ref	9268334
Job Number :-	321278
Insurer	
Date:-	21-Jul-21
Recommendation	5

Item No	Description Run 6 MH1-buried chamber-MH3	Unit	Quantity	Rate	Price
				(£)	(£)
1.0	**Emergency Drain Blockage Clearance**				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		**£70.00**	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		**£30.00**	£0.00
1.3	Unblock drain 6pm-midnight	Item		**£100.00**	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		**£35.00**	£0.00
2.1	**CCTV Surveys**				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		**£130.00**	£0.00
2.3	Additional 1/2 hr survey charge	Item		**£30.00**	£0.00
3.0	**Replacing Underground Drainage**				
3.1	**Gullies**				
3.2	Take out and replace gulley (100mm outlet)	Item		**£130.00**	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		**£90.00**	£0.00
3.4	**Bends/junctions**				
3.5	Excavate and replace rest bend (100mm outlet)	Item		**£90.00**	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		**£120.00**	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		**£70.00**	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		**£70.00**	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.13	**Pipes**				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£95.00**	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£120.00**	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		**£95.00**	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		**£120.00**	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£150.00**	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£160.00**	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		**£150.00**	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		**£160.00**	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£270.00**	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£290.00**	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		**£250.00**	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		**£270.00**	£0.00
3.26	**Surface Reinstatement of Trenches**				
3.27	Excavate through and reinstate turf.			**£0.00**	£0.00
3.28	Excavate through and replace concrete paving slabs	m		**£30.00**	£0.00
3.29	Excavate through and replace block paving	m		**£50.00**	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m		**£47.00**	£0.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		**£95.00**	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		**£90.00**	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		**£115.00**	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		**£48.00**	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		**POA**	
3.36	Reinstatement of crazy paving	m		**£75.00**	£0.00
4.0	**Lining**				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	**£290.00**	£290.00
4.2	Line 100mmØ drain	m		**£50.00**	£0.00
	Super Flex Liner 100mm drain	m		**£90.00**	
4.3	Line 150mmØ drain	m		**£70.00**	£0.00
	Super Flex Liner 150mm drain	m		**£110.00**	
4.4	Post lining CCTV survey	no		**£100.00**	£0.00
4.5	Minimum lining charge	Item		**£290.00**	£0.00
4.6	Root cutting of drain prior to lining	hr	**1**	**£65.00**	£65.00
4.7	Set up lining rig for patch lining	Item		**£0.00**	£0.00
4.8	Patch line 100mmØ drain	no		**£250.00**	£0.00
4.9	Patch line 150mmØ drain	no	3	**£280.00**	£840.00
4.10	Post patch lining CCTV survey	Item		**£100.00**	£0.00
4.11	Minimum patch lining charge	Item		**£250.00**	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		**£190.00**	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		**£280.00**	£0.00
	Epoxy resin	no		**£22.00**	
5.0	**Miscellaneous**				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		**£400.00**	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		**£1.25**	£0.00
5.3	Daywork - Hourly labour rate	hr		**£30.00**	£0.00
5.4	Minimum project value	Item		**£346.50**	£0.00
5.5				**£0.00**	£0.00
5.6	Water supply pipe investigations			**£195.43**	£0.00
5.7	Spot Repair			**£592.25**	£0.00
5.8				**£0.00**	£0.00
6.0	**Additional items**				
6.1	De-scaling (fat/grime)	hr		**£65.00**	£0.00
6.2	De-scaling (scale using chain flails)	hr		**£90.00**	£0.00
6.3	Gully surround	item		**£30.00**	£0.00
6.4	Manhole works (up to 1.2m)	item		**£80.00**	£0.00
6.6	Oversize soakaway (1.5m3)	item		**£600.00**	£0.00
6.7	Soakaway >1.5m3	item		**POA**	
6.8	Waste disposal	m		**£20.00**	£0.00
6.9	Shoring	m		**£40.00**	£0.00
	Total Estimate Price For Recommendation Number		5.0		£1,195.00
	Subject to discount		**0.00**		£0.00
	Total subject to VAT @ 20%				£1,195.00

Note: Subject to the attached Terms and Condtions

A - When calculating prices, all measurements are rounded up
B - Depths are taken to the base of excavations
C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
D - All rates exclude VAT
G - Daywork rates do not include for materials that are charged at cost plus 25%
F - The above rates are subject to re-measurement
KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour
E - Depths are taken to the base of excavations

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **6 Dartmouth Park Avenue**

Client :-

Attention of:-

Client ref	9268334
Job Number :-	321278
Insurer	
Date:-	21-Jul-21
Recommendation	6

Item No	Description Run 9 MH2 WP1	Unit	Quantity	Rate (£)	Price (£)
1.0	**Emergency Drain Blockage Clearance**				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		**£70.00**	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		**£30.00**	£0.00
1.3	Unblock drain 6pm-midnight	Item		**£100.00**	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		**£35.00**	£0.00
2.1	**CCTV Surveys**				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		**£130.00**	£0.00
2.3	Additional 1/2 hr survey charge	Item		**£30.00**	£0.00
3.0	**Replacing Underground Drainage**				
3.1	**Gullies**				
3.2	Take out and replace gulley (100mm outlet)	Item		**£130.00**	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		**£90.00**	£0.00
3.4	**Bends/junctions**				
3.5	Excavate and replace rest bend (100mm outlet)	Item		**£90.00**	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		**£120.00**	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		**£70.00**	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		**£70.00**	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		**£70.00**	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		**£70.00**	£0.00
3.13	**Pipes**				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£95.00**	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		**£120.00**	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		**£95.00**	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		**£120.00**	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£150.00**	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		**£160.00**	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		**£150.00**	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		**£160.00**	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£270.00**	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		**£290.00**	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		**£250.00**	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		**£270.00**	£0.00
3.26	**Surface Reinstatement of Trenches**				
3.27	Excavate through and reinstate turf.			**£0.00**	£0.00
3.28	Excavate through and replace concrete paving slabs	m		**£30.00**	£0.00
3.29	Excavate through and replace block paving	m		**£50.00**	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m		**£47.00**	£0.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		**£95.00**	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		**£90.00**	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		**£115.00**	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		**£48.00**	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		**POA**	
3.36	Reinstatement of crazy paving	m		**£75.00**	£0.00
4.0	**Lining**				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item		**£290.00**	£0.00
4.2	Line 100mmØ drain	m		**£50.00**	£0.00
	Super Flex Liner 100mm drain	m		**£90.00**	
4.3	Line 150mmØ drain	m		**£70.00**	£0.00
	Super Flex Liner 150mm drain	m		**£110.00**	
4.4	Post lining CCTV survey	no		**£100.00**	£0.00
4.5	Minimum lining charge	Item		**£290.00**	£0.00
4.6	Root cutting of drain prior to lining	hr		**£65.00**	£0.00
4.7	Set up lining rig for patch lining	Item		**£0.00**	£0.00
4.8	Patch line 100mmØ drain	no	1	**£250.00**	£250.00
4.9	Patch line 150mmØ drain	no		**£280.00**	£0.00
4.10	Post patch lining CCTV survey	Item		**£100.00**	£0.00
4.11	Minimum patch lining charge	Item		**£250.00**	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		**£190.00**	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		**£280.00**	£0.00
	Epoxy resin	no		**£22.00**	£0.00
5.0	**Miscellaneous**				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		**£400.00**	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		**£1.25**	£0.00
5.3	Daywork - Hourly labour rate	hr		**£30.00**	£0.00
5.4	Minimum project value	Item		**£346.50**	£0.00
5.5				**£0.00**	£0.00
5.6				**£195.43**	£0.00
5.7				**£592.25**	£0.00
5.8				**£0.00**	£0.00
6.0	**Additional items**				
6.1	De-scaling (fat/grime)	hr		**£65.00**	£0.00
6.2	De-scaling (scale using chain flails)	hr		**£90.00**	£0.00
6.3	Gully surround	item		**£30.00**	£0.00
6.4	Manhole works (up to 1.2m)	item		**£80.00**	£0.00
6.6	Oversize soakaway (1.5m3)	item		**£600.00**	£0.00
6.7	Soakaway >1.5m3	item		**POA**	
6.8	Waste disposal	m		**£20.00**	£0.00
6.9	Shoring	m		**£40.00**	£0.00
	Total Estimate Price For Recommendation Number		6.0		£250.00
	Subject to discount		**0.00**		£0.00
	Total subject to VAT @ 20%				£250.00

Note: Subject to the attached Terms and Condtions

A - When calculating prices, all measurements are rounded up
B - Depths are taken to the base of excavations
C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
D - All rates exclude VAT
G - Daywork rates do not include for materials that are charged at cost plus 25%
F - The above rates are subject to re-measurement
KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour
E - Depths are taken to the base of excavations

CET STRUCTURES LTD TERMS AND CONDITIONS

Site:- **6 Dartmouth Park Avenue**

	Client Ref:-	9268334
Client :-	Job Number:-	321278
Attention of:-	Insurer:-	
	Date:-	21-Jul-21

General Terms and Conditions

1 On site parking is a prerequisite of any drain repair contract. This quotation is to the addressee only and should not be forwarded unless prior agreement is obtained from CET Structures Ltd. Every effort will be made to match existing surfaces however, there will be evidence of excavation works in certain circumstances.

2 The rates do not include for excavation of surfaces other than soft ground or concrete < 100mm thick; reinstatement other than concrete <100mm thick; internal excavations; reinstatement >750mm in width; excavation of depths greater than 1.2m; reinforced concrete.

3 CET`s standard soakaway that is priced on the agreed alliance schedule of drainage rates is constructed to dimensions specified in the NHBC Guidelines for small soakaways. The soakaway is generally located 5m from any foundations (should site constraints permit) and is constructed to provide adequate short term surface water storage and percolation into surrounding ground. This small 1m3 soakaway is usually of sufficient capacity to accommodate average rainfall from an average surface area of roof space, however in extreme weather conditions and /or larger than average roof surface area feeding the soakaway, surcharging may occur.Alternative designs and prices are available at a cost along with percolation testing. Certain ground conditions may not be suitable for soakaway design due to low permeability and this information is not always readily available.

Notes

For excavation and reinstatement of any steps, will be done on day work rate.
With a minimum of 4 hours. Materials at cost plus 25%.
Any obstacles, shrubs & plants that are located in the working area will need to be removed by others to allow for these works

Water Authority Sewer Condition Codes

B	Broken pipe at… (or from… to..) o'clock
BR	Branch Major
CC	Crack circumferential from… to… o'clock
CL	Crack longitudinal @… o'clock
CM	Cracks multiple from… to… o'clock
CN	Connection at… o'clock, diameter… mm
CNI	Connection at… o'clock, diameter… mm, intrusion… mm
CU	Camera under water
CX	Connection defective at… o'clock
CXI	Connection defective at… o'clock, diameter… mm, intrusion… mm
D	Deformed sewer… %
DB	Displaced bricks at (or from.. to..) o'clock
DC	Dimension of sewer changes at this point
DE	Debris (non silt/grease)… % cross-sectional loss
DEG	Debris grease… % cross-sectional area loss
DES	Debris silt… % cross-sectional area loss
DI	Dropped invert, gap… mm
EHJ	Encrustation heavy from.. to.. o'clock % cross-sectional area loss (at joint)
ELJ	Encrustation light from.. to.. o'clock%
EMJ	Encrustation medium from.. to.. o'clock %, cross-sectional area loss (at joint)
ESH	Scale heavy… % cross-sectional area loss from... to… o'clock
ESL	Scale light from… to… o'clock
ESM	Scale medium… % cross-sectional area loss from… to… o'clock
FC	Fracture circumferential from… to… o'clock
FL	Fracture longitudinal at… o'clock
FM	Fractures multiple from… to… o'clock
GO	General observation at this point
GP	General photograph number… taken at this point
H	Hole in sewer at… o'clock
IDJ	Infiltration dripper at (or from… to…) o'clock (at joint)
IGJ	Infiltration gusher at (or from… to…) o'clock (at joint)
IRJ	Infiltration runner at (or from… to…) o'clock (at joint)
ISJ	Infiltration seeper at (or from… to…) o'clock (at joint)
JDM	Joint displaced medium
JDL	Joint displaced large
JN	Junction at…o'clock, diameter…mm
JX	Junction defective at.. o'clock, diameter.. mm
LC	Lining of sewer changes/starts/finishes at this
LD	Line of sewer deviates down
LL	Line of sewer deviates left
LN	Line defect at (or from.. to..) o'clock
LR	Line of sewer deviates right
LU	Line of sewer deviates up
MB	Missing bricks at.. (or from.. to..) o'clock
MC	Material of sewer changes at this point
MH	Manhole/node
MM	Mortar missing medium at.. (or from.. to..) o'c
MS	Mortar missing surface at.. (or from.. to..) o'cl
MT	Mortar missing total at.. (or from.. to..) o'cloc
OB	Obstruction… % height/diameter loss
OJL	Open joint large
OJM	Open joint medium
PC	Length of pipe forming sewer changes at this new length…mm
RFJ	Roots fine (at joint)
RMJ	Roots mass… % cross-sectional area loss (at
RTJ	Roots tap (at joint)
SA	Survey abandoned
SC	Shape of sewer changes at this point
SSL	Surface damage, spalling large at (or from.. to o'clock
SSM	Surface damage, spalling medium at (or from o'clock
SSS	Surface damage, spalling slight at (or from.. t o'clock
SWL	Surface damage, wear large at… (or from.. to o'clock
SWM	Surface damage, wear medium at… (or from. o'clock
SWS	Surface damage, wear slight at.. (or from.. to. o'clock
V	Vermin (rats and mice)
WL	Water level… % height/diameter
X	Sewer collapsed… % cross-sectional area loss
FH	End of survey